

ABSTRACT OF THE DISCLOSURE

An improved method of forming a specific complex between a probe containing probe nucleobases and a target containing target nucleobases, includes mixing the probe and the target under hybridizing conditions, 5 wherein the probe and/or the target is conjugated to a blocking agent, which enhances the avidity and/or specificity of hybridization, whether by Watson-Crick motif or by homologous binding motif. The blocking agent contains at least one nucleobase and can be, e.g., a free nucleobase, a nucleoside or a nucleotide.

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